<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division

August 1, 2011

Form C-101

1220 S. St Francis Dr. Santa Fe, NM 87505

APPLICATION FOR PE	RMIT TO DRILL, RE	-ENTER, DEEPEN, PLUC	GBACK, OR ADD A ZONE

1. Operato	r Name and Address	2. OGRID Number	
	PERATING LLC Concho Center	229137 3. API Number 30-025-41080	
	and, TX 79701		
IVIIGE	ind, 174 /5/01		
4. Property Code	5. Property Name	6. Well No.	
39784	CROCKETT STATE	002H	

7. Surface Location

97	7. Surface Escation									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County	
H	20	218	33E	H	2310	N	190	E	LEA	

8. Proposed Bottom Hole Location

	OF THE POST DOTTON ALVIE DOTTON										
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County		
E	20	21S	33E	E	2260	N	330	W	Lea		

9. Pool Information

WC-025 G-08 S213304D:BONE SPRING	97895

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3724	
16. Multiple 17. Proposed Depth N 16373		18. Formation Bone Spring	19. Contractor	or 20. Spud Date 5/1/2013	
Depth to Ground	water	Distance from nearest fresh water	r well	Distance to nearest surface water	

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC			
Surf	17.5	13.375	54.5	1740	1035	0			
Int1	12.25	9.625	36	5240	1930	0			
Prod	7.875	5.5	17	16373	1790	4940			

Casing/Cement Program: Additional Comments

Plan to drill 17 1/2" hole to 1740' w/fresh water. Run 13 3/8" 54.5# J55 STC csg & cmt to surf with 1035 sx cmt. Drill 12 1/4" hole to 5240' w/brine. (If losses occur in the Reef, plan to switch to fresh water to interval TD.) Run 9 5/8" 36# J55 & 40# N80 BTC csg and cmt w/DV/ECP tool placed 100' above the Reef to insure good coverage across salt intervals. Plan to circulate cmt on both stages. Drill 7 7/8" pilot hole to 12100', log and plug back with cement plug f/ 11100' - 12100'. Drill 7 7/8" curve and lateral to 16373' w/cut brine. Run 5 1/2" 17# P110 LTC casing to TD and cement to 4940' (300' overlap) in one stage.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron
DoubleRam	5000	5000	Cameron

best of my knowledge and belief.	on given above is true and complete to the	OIL CONSERVATION DIVISION Approved By: Paul Kautz			
I further certify I have complied w 19.15.14.9 (B) NMAC ⊠, if applic	ith 19.15.14.9 (A) NMAC 🛮 and/or able.				
Signature:					
Printed Name: Electronically f	led by Diane Kuykendall	Title: Geologist	1905		
Title: Production Reporting M	gr	Approved Date: 4/2/2013	Expiration Date: 4/2/2015		
Email Address: dkuykendall@	conchoresources.com				
Date: 3/28/2013	Phone: 432-683-7443	Conditions of Approval Attached			

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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division

August 1, 2011

Form C-102

1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code		2 Deat Name	
		3. Pool Name		
30-025-41080	97895 WC-025 G-08		WC-025 G-08 S213304D;BONE SPRING	
4. Property Code	5. Property Name		6. Well No.	
39784	CROCKET	T STATE	002H	
7. OGRID No.	8. Operat	or Name	9. Elevation	
229137	COG OPERA	ATING LLC	3724	

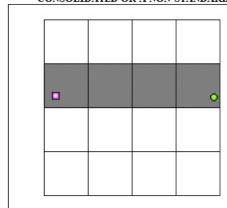
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	20	218	33E		2310	N	190	E	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	20	21S	33E	H	2260	N	330	W	LEA
	cated Acres	13. J	oint or Infill	14	. Consolidation	Code		15. Order No.	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall Title: Production Reporting Mgr

Date: 3/28/2013

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: CHAD HARCROW Date of Survey: 2/12/2013 Certificate Number: 17777

Permit Comments

Operator: COG OPERATING LLC , 229137 Well: CROCKETT STATE #002H

API: 30-025-41080

Created By	Comment	Comment Date
pkautz	Drilling resticteddue to Potash	3/25/2013
pkautz	Land s/S	3/25/2013
pkautz	Rejected operator will need to resubmit and add a salt protection string per R-111P requirements.	3/25/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ OCD PERMIT # P1-05958	3/28/2013
CHERRERA	Potash letters from BLM and SLO attached.	3/28/2013

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: CROCKETT STATE #002H

API: 30-025-41080

OCD Reviewer	Condition	
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	
pkautz	In order to seal off protectable water, the surface casing must be set 25' below top of Rustler Anhydrite.	